

CLAIMSWhat Is Claimed Is:

1. The apparatus comprising:
2. a conveyer structure, including first and second T-sections; *and*
3. a car adapted to ride on said conveyor structure, said car comprising:
 4. (a) two pairs of wheel tires positioned to ride on said first
5. and second T-sections respectively, each wheel tire being driven by a
6. respective motor drive unit, each drive unit including an electric motor,
7. an electric motor brake and a shaft-mounted gearbox;
 8. (b) four caster guide wheels each mounted adjacent a
9. respective one of said wheel tires so as to rotate in a horizontal plane
10. adjacent a vertical edge of one of said first and second T-sections; and
 11. (c) four roller wheels, each mounted to rotate about an axis
12. parallel to the axis about which said wheel tires rotate and immediately
13. adjacent an underside edge of one of said first and second T-sections .
1. 2. The apparatus of Claim 1 further comprising:
2. first and second hydraulic caliper brakes each having respective brake
3. shoes positioned to engage a respective one of said T-sections.
1. 3. The apparatus of Claim 1 wherein said car comprises a belt tripper.
1. 4. The apparatus of Claim 1 wherein said car comprises a hopper.

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1 5. The apparatus comprising:

2 a car adapted to ride on first and second T-sections of a conveyer
3 structure, said car comprising two pairs of wheel tires positioned to ride
4 on said first and second T-sections respectively, each wheel tire being
5 driven by a respective motor drive unit, each drive unit including an
6 electric motor, an electric motor brake and a shaft-mounted gearbox.

1 6. The apparatus of Claim 5 wherein said car further comprises:

2 four caster guide wheels each mounted adjacent a respective one
3 of said wheel tires so as to rotate in a horizontal plane adjacent a
4 vertical edge of one of said first and second T-sections; *and*
5 four roller wheels, each mounted to rotate about an axis parallel
6 to the axis about which said wheel tires rotate and immediately
7 adjacent an underside edge of one of said first and second T-
8 sections.

1 7. The apparatus of Claim 6 further comprising:

2 first and second hydraulic caliper brakes each having respective
3 brake shoes positioned to engage a respective one of said T-
4 sections.

1 8. The apparatus of Claim 5 wherein said car comprises a belt tripper.

1 9. The apparatus of Claim 5 wherein said car comprises a hopper.

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